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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/765,200	01/28/2004	Mutsumi Kimura	118319	1136

25944 7590 05/06/2005

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EXAMINER
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DANG, PHUC T

ART UNIT	PAPER NUMBER
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2818

DATE MAILED: 05/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Office Action Summary</b>	<b>Application No.</b> 10/765,200	<b>Applicant(s)</b> KIMURA, MUTSUMI	
	<b>Examiner</b> PHUC T. DANG	<b>Art Unit</b> 2818	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 January 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>012804 &amp; 020105</u> . | 6) <input type="checkbox"/> Other: _____  |

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## **DETAILED ACTION**

### **Information Disclosure Statement**

1. The office acknowledges receipt of the following items from the applicant:

Information Disclosure Statement (IDS) filed on January 28, 2004 and February 1, 2005.

### **Drawings**

2. Drawings of Figures 1 and 2 are objected to because of the following reasons:

Figs 1-2 should be designated by a legend such as -- Prior Art -- because only that which is old is illustrated. See MPEP 608.02(g). Correction is required.

### **Specification**

3. The specification has been checked to the extent necessary to determine the presence of all possible minor errors. However, the applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

### **Claim Rejections - 35 USC § 103**

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Admitted Applicant Prior Art (AAPA) in view of Schulz-Harder et al., hereinafter "Schulz-Harder" (U.S. Patent No. 5,981,036).

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Regarding claim 1, Figs. 1-2 of AAPA discloses a method of manufacturing a thin film element, comprising:

Transferring element chips (14, Figs. 1-2) including at least one of a plurality of functional elements (13, Figs. 1-2) formed on a first substrate (11, Figs. 1-2) onto a second flexible substrate (21, Figs. 1-2), the element chips (14, Figs. 1-2).

Figs. 1-2 of AAPA discloses all the features of the claimed invention as discussed above, but does not disclose a step of arranging short sides of the element chips along a curving direction of the second substrate.

Schulz-Harder, however, discloses a step of arranging short sides of the element chips along a curving direction of the second substrate [col. 5, lines 22-25].

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to modify the above discussed teaching of Figs. 1-2 of AAPA as taught by Schulz-Harder for a purpose of improving bonding between the element chips on the substrate.

Regarding claims 2-4 , AAPA discloses the functional elements being the thin film transistors which is manufactured by the method of manufacturing a thin film element and the thin film transistor being useable as active matrix elements applied on an active matrix display device, see page 1 [0004].

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to modify the above discussed teaching of AAPA as taught by Schulz-Harder for a purpose of improving bonding between the element chips on the substrate.

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5. Claims 5-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Admitted Applicant Prior Art (AAPA) in view of Schulz-Harder and further in view of Yamazaki et al., hereinafter "Yamazaki" (U.S. Patent No. 6,261,881).

AAPA and Schulz-Harder disclose all the features of the claimed invention as discussed above, but does not disclose an electronic apparatus comprising an electro-optical device including the thin film transistor applied in the process.

Yamazaki, however, discloses an electronic apparatus comprising an electro-optical device including the thin film transistor applied in the process [col. 1, lines 17-24].

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to modify the above discussed teaching of AAPA and Schulz-Harder as taught by Yamazaki for a purpose of improving bonding between the element chips on the substrate.

### **Conclusion**

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuc T. Dang whose telephone number is (571) 272-1776. The examiner can normally be reached on 8:00 am-5:00 pm.

7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on (571) 272-1787. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and After Final communications.

8. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

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Phuc T. Dang

Primary Examiner

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